

## Appendix H - TRENTHAM SYSTEM



Figure 1: Trentham System showing water sources.

### System Description

Trentham services 587 residential connections and 63 non-residential connections as at 30 June 2018.

The system is located in the upper (unregulated) reaches of the Coliban River System in the Campaspe Basin. Natural spring water flows into the Trentham Reservoir No 1 and from there into Reservoir No 2. The spring has provided the majority of water supply for Trentham and has been supplemented with bore supply in the summer months or during drought. All customers are delivered potable water.

### Water Resources and Demand

The Trentham raw water sources (ground water and natural springs) are fairly reliable and adequate to meet the current annual demand.

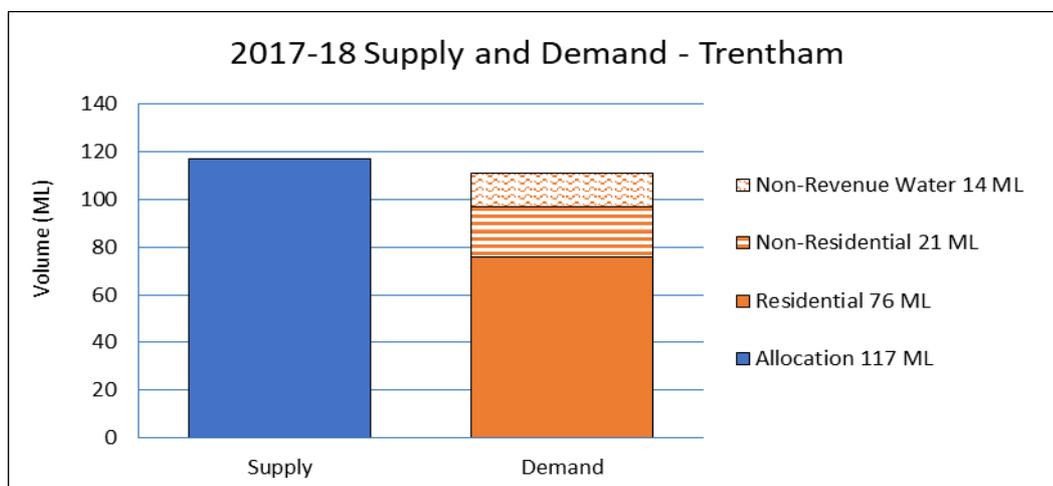


Figure 2: 2017-18 Supply and Demand for the Trentham System.

In 2017-18 the demand for the Trentham System was 140ML, which was within the estimated demand range of 120 to 144 ML.

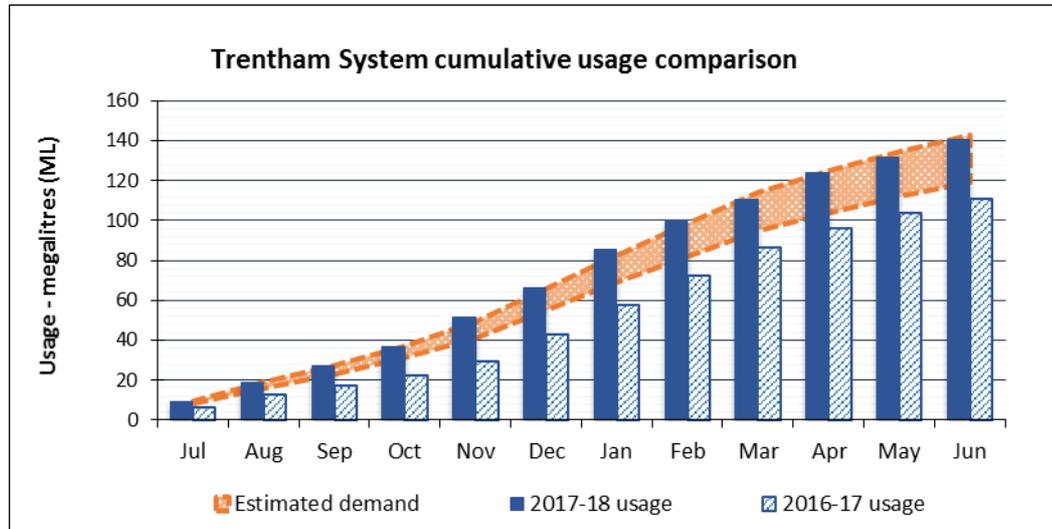


Figure 3: 2017-18 cumulative water usage for the Trentham System compared with the same period last year and the estimated demands.

### Resource Status

With volumes in storage and allocations at 100%, restrictions are highly unlikely for the next 12 months.

Table 1: Supply and demand.

System	Primary Supply Secondary Supply	Supply <sup>1</sup> 1 October 2018	Demand 'dry weather'	Reserve Status
Trentham	Spring and Groundwater	168 ML	152 ML	>12 months

Note 1: Allocation received to date and volume in storage.

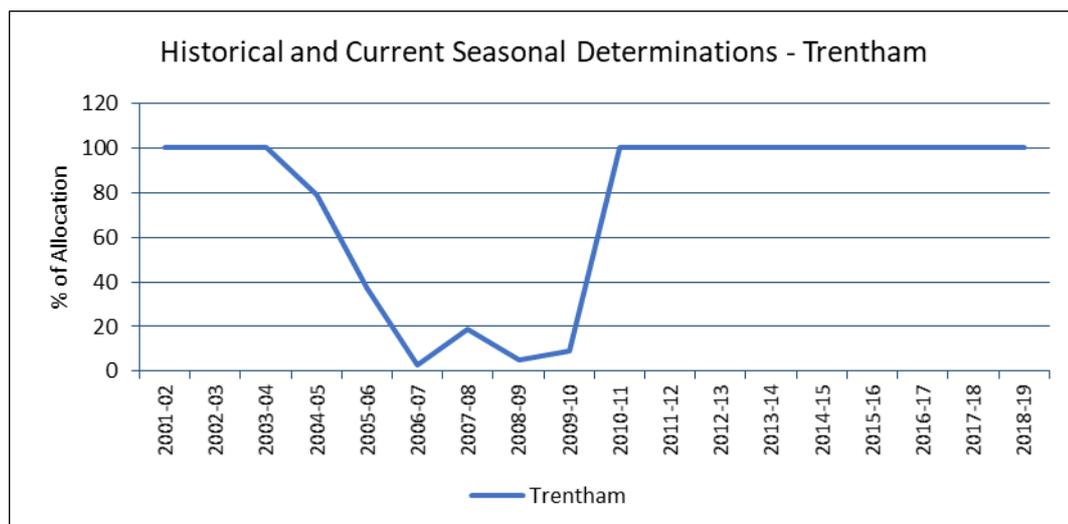


Figure 4: Historical and current seasonal determinations for the Trentham System.

## Forward Outlook

The 2018-19 estimated dry weather demand for the Trentham System is 152 ML. With volumes in storage and allocations at 100%, the Trentham System has adequate reserves to meet demand for the next 12 months.

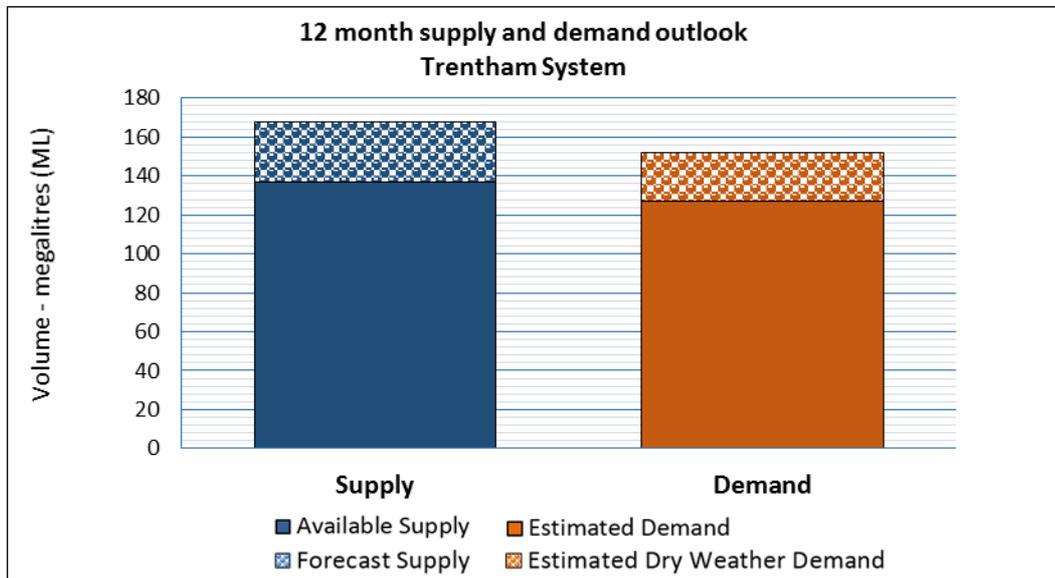


Figure 5: Raw water 12 month supply and demand outlook for the Trentham System.

## Actions

Trentham has the highest population growth rate in the region and with a limited amount of water available from current sources, it could face water shortage soon. Looking for alternative sources of water, including augmenting the second bore which is currently not in use, will be an important task in the short term.

Coliban Water has continued to engage with stakeholders and customers in relation to the Urban Water Strategy (UWS). Detailed analysis on each system will commence during the latter part of 2018-19.